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Begin

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649

VERETENNIKOV, A.V.

ZHEMCHUZHNIKOV, Ye.A.; VERETENNIKOV, A.V.; KOTEL'NIKOVA, A.P.

Determining the transpiration capacity of pine crowns. Fiziol.  
rast.2 no.4:397-399 J1-Ag'55. (MIRA 8:12)

1. Laboratoriya fiziologii rasteniy Lestoechnicheskoy akademii  
imeni S.M.Kirova, Leningrad  
(Pine) (Plants--Transpiration)

VERETENNIKOV, A.V.

USSR/Forestry - Forest Biology and Typology.

K-1

Abs Jour : Ref Zhur - Biol., No 20, 1953, 91493

Author : Veretennikov, A.V.

Inst : Leningrad Forest Technology Academy.

Title : The Structure and Functioning of the Pine Root System  
in Connection with Temporary Excessive Soil Moisture.

Orig Pub : Tr. Leningr. lesotekhn. akad., 1957, vyp. 82, ch. 1, 137-  
150.

Abstract : The investigations were carried out in 50 year old pine-  
tree plantations (Okhtenskiy Leskhoz, Leningradskaya  
Oblast) of the pine tree sphagnum moss-bilberry shrub  
(test area had strong periodic soil moistening) and pine-  
plus bilberry wood (control area) forest types. The root  
system of the pine-trees on the experimental plot had the  
following surface character: an overwhelming majority

Card 1/2

- 6 -

USSR/Forestry - Forest Biology and Typology.

K-1

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91493

of the roots settle in the layer in the upper 15 cm of soil due to a lack of oxygen in the soil moisture. It was found that during the moist period (early spring and autumn) and resultant anaerobiosis, considerable root mass perished. The weight of the dead roots on the experimental plot exceeded the weight of the living ones by several times. Reduced forest productivity appears simultaneously with the damp period. With an improvement in soil aeration during the summer period, a quick and massive regeneration of the roots was observed, and the productivity of the tall stand increased. The process of adventitious root formation is described and facts are compiled on anatomical and physiological activity of regenerating roots. The author claims that the regeneration of the root system of the pine tree is a major factor, which contributes to the growth of pine trees on occasionally excessively moistened areas. The expediency of draining these areas is noted. -- V.F. Lebkov

Card 2/2

VERETENNIKOV, A. V.

VERETENNIKOV, A.V. Cand Biol Sci -- (diss) "Structure and  
~~Performance~~ <sup>Function</sup> of <sup>the</sup> Root System of <sup>Pine Trees</sup> ~~Plants~~ in Connection with  
Temporary Excess <sup>Moisture</sup> ~~the~~ of Soil", Len, 1958, 16 <sup>pp</sup> ~~pages~~  
(Ministry of Education RSFSR. Len State Pedagogical Inst im  
A.I. Gertsen. Chair of Botany). 100 copies (KL 10-58, 115).

- 15 -

VERETENNIKOV, A.V., kand.biolog.nauk

Algae as pioneers of burnt-over forests. Priroda 52 no.2:105  
'63. (MIRA 16:2)

1. Institut lesa i lesokhimii AN SSSR, Moskva.  
(Archangel Province--Algae) (Forest ecology)

VERETENNIKOV, Anatoliy Vasil'yevich; SKAZKIN, F.D., doktor biol.  
nauk, otv. red.

[Effect of temporary excessive moisture on physiological  
processes in woody plants] Vliianie vremennogo izbytoch-  
nogo uvlazhneniya na fiziologicheskie protsessy dreves-  
nykh rastenii. Moskva, Nauka, 1962. 86 p. (MIRA 17:9)



VERETENNIKOV, A.V.; BURMINA, L.N.

Effect of the time of felling on the physiological processes in  
spruce growth in clear-cut areas. Dokl. AN SSSR 148 no.6:1422-1424  
F '63. (MIRA 16:3)

1. Predstavleno akademikom A.L.Kursanovym.  
(Vinogradovskiy District-Spruce)  
(Plant physiology)

VERETENNIKOV, A.V.

Senescence and regeneration of the root system of *Pinus silvestris* L.  
as related to the supply of atmospheric oxygen in the layer of soil  
penetrated by roots. Bot. zhur. 44 no.2:202-209 F '55.

(MIRA 12:6)

(Pine) (Roots (Botany)) (Soil aeration)

VERETENNIKOV, A.V.

Effect of excessive soil moisture on the transpiration capacity of  
woody plants. Fiziol. rast. '11 no.2:274-278 Mr-Apr '64.  
(MIRA 17:5)

1. Institut lesa i lesokhimii Gosudarstvennogo komiteta Soveta  
Ministrov RSFSR po koordinatsii nauchno-issledovatel'skikh rabot,  
Arkhangel'sk.

VERETENNIKOV, A.V.

Significance of the photosynthesis of temporarily flooded plants  
of common haircap moss sphagnum in forests and clearings. Dokl. AN  
SSSR 138 no.6:1467-1469 Je '61. (MIRA 14:6)

1. Institut lesa i lesokhimii AN SSSR. Predstavleno akademikom  
V.N. Sukachevym.

(Mosses)

(Photosynthesis)

(Forest ecology)

VERETENNIKOV, A.V.  
VERETENNIKOV, A.V.

Using potometer to determine the active surface of root tips in pines  
[with summary in English]. Fiziol. rast. 4 no.6:566-569 M-D '57.  
(MIRA 10:12)

1. Lesotekhnicheskaya akademiya im. S.M. Kirova, Leningrad.  
(Pine) (Plants--Absorption of water) (Botanical apparatus)

VERETENNIKOV, B.G.

A new type of eolian relief in the northwestern part of the Kyzyl  
Kum. Izv.Uzb.fil.Geog.ob-va 6:179 '62. (MIRA 15:8)  
(Kyzyl Kum—Sand)

VERETENNIKOV, B.G.

"Chokolaks" (knolls) of the Mynbulak Plain. Trudy Uz. geol. upr.  
no.2:103-105 '62. (MIRA 16:8)  
(Mynbulak Plain--Sand)

L 29619-66 ENP(m)/EWT(1)/T-2 IJP(c)

ACC NR: AP6014077

SOURCE CODE: UR/0294/66/004/002/0285/0286

AUTHOR: Veretennikov, B. N.

71  
B

ORG: Branch Office of the All-Union Scientific-Research Institute of Electromechanics  
(Filial Vsesoyuznogo nauchno-issledovatel'skogo instituta elektromekhaniki)

TITLE: Motion of a conducting dissociating gas in a constant-cross-section channel placed in a magnetic field

SOURCE: Teplofizika vysokikh temperatur, v. 4, no. 2, 1966, 285-286

TOPIC TAGS: magnetohydrodynamics, MHD generator

ABSTRACT: A stationary flow of the gas in a rectangular channel is theoretically considered. A constant magnetic field is applied at right angles to the insulating channel walls. The conducting walls are connected to a load. No external voltage is applied. Equation of energy conservation, momentum conservation, state, continuity, and dissociation (vs. pressure and temperature) were set up; these five equations were integrated on a digital computer and the results were compared with those for a nondissociating gas. It was found that: (1) The dissociation causes an additional acceleration and heating of gas and (2) It lowers the enthalpy conversion factor. Orig. art. has: 11 formulas and 1 table.

SUB CODE: 10,20 SUBM DATE: 18Jun65 / ORIG REF: 000 / OTH REF: 002

Card 1/1 CC

UIC: 538.4



Tanning with chestnut extracts. I. VANNIMNIKOV. *Vestnik Khimicheskoi Prom. Torgov.* 1930, 430; *Chem. Zentr.* 1930, II, 3494.—The Italian chestnut ext. "Sati" and Jugoslavian ext. "sial" contain: tanning 61.7-61.0, 68.1, containing 20.0-22.3, 15.7% an' have pu 3.74-3.61, 4.08, resp. Several precautions have to be taken in using these exts.

ASH-56 METALLURGICAL LITERATURE CLASSIFICATION

29

CA

Emulsifying paste for fat-liquoring leather. S. V. Ar-  
buzov and I. N. Yaretsnikov. *Legkaya Prom.* 11, No. 5,  
28-31 (1951). —The paste (I), prepd. from saponif. syn-  
thetic fatty acids in oxidation of petrolatum, gives sufficiently  
stable emulsions with all liquid fats used in leather manuf.  
with solid fats, and paraffin. A 2% emulsion has a pH of  
7.4-8.0. Fat liquoring with I and in combination with  
other fats had no harmful effect on leather and did not  
lower adhesion of films to leather. It is more economical  
than sulfated fish oil. Compos. of mists. for various leath-  
ers are given. B. Z. Kamich

CA

Experience with the use of tannin *M.* S. V. Arbutov  
and I. N. Vovrentnikov. *Lezhaya Prom.* 11, 24-9 (1951).  
Tests were made with wet-salted sheepskin and pigskin.

Pretanning was with 0.6-1.1%  $\text{Cr}_2\text{O}_3$  (sheepskin) and 0.8-1.5%  $\text{Cr}_2\text{O}_3$  (pigskin); after-tanning was with 2-6% PI, 1.5%  $\text{Cr}_2\text{O}_3$  (pigskin) and 0.5%  $\text{Cr}_2\text{O}_3$  (sheepskin). Optimum dosage is 4% PI and 0.5%  $\text{Cr}_2\text{O}_3$  (hide substance wt.) for sheepskin and 1.5% for pigskin. The leather, for haberdashery use, equalled vegetable-tanned leather. B. Z. Kamch



COMMON ELEMENTS		PROCESSING AND RESEARCH WITH	
GA	<p>Finishing leather. S. V. Arbatov, I. N. Veretennikov, V. G. Grachev, S. A. Ulanov, and B. N. Shebustin. U.S.S.R. 65,005, Feb. 28, 1910. Leather having a defective face side is coated on the flesh side with a fat-bitumen mixt. This mixt. comprises an emulsion of bitumen, mineral oil, proteinaceous substances, and sulfonated train oil. This treatment is followed by a treatment with formalin, and then by a finish by the usual methods. M. Haseh</p>		
	<p>29</p>		
<p>ASB-4LA METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>GROUPS</p>		<p>CLASSIFICATION</p>	
<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>		<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>	

ca

29

A new source for the production of basic salts for tanning. I. N. Veretennikov. *Soyuzh Obshch. Opyt. Kosm. Khim. Referat. Zhur.* 1940, No. 5, 23-5; *Khim. Referat. Zhur.* 1940, No. 1, 135. - The basic Cr sulfates for tanning can be obtained from the waste products of the manuf. of dichlorobenzic acid, synthetic camphor, acryquine, etc. The content of  $Cr_2O_3$  in these waste products varies from 63 to 91 g/l. The Cr wastes are filtered, and the filtrate is pumped into vats to which known amts. of  $K_2Cr_2O_7$  and a glucose soln. are added. After the complete reduction of the soln. the liquid is evaporated *in vacuo*, and the product dried. W. K. Henn

ASAC-SLA BIBLIOGRAPHICAL LITERATURE CLASSIFICATION

100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

BCS

Wesley, B. J.

1137. Automatic feeding of ball mills—**I. S. Vozruchikov** (Leningrad, 14, 422, 1951). The feeder is of the electrical type. (2 figs.)

VERETENNIKOV, I.S.; KULAGIN, V.M.

Automatizing the preparation of mixtures in mixing machinery.  
Ogneupory 19 no.1:24-28 '54. (M 2A 11:8)  
(Refractory materials) (Mixing machinery)



Veretennikov, L. A.

AID P - 871

Subject : USSR/Engineering  
Card 1/1 Pub. 29 - 4/23  
Author : Veretennikov, L. A., Eng.  
Title : ~~Installation of a separator on the coal return conduit~~  
into the ball mill  
Periodical : Energetik, 10, 9-10, 0 1954  
Abstract : The author briefly describes such an installation  
equipped with an additional separator. One drawing.  
Institution : Not given  
Submitted : No date

VERETENNIKOV, L.A., inzhener.

Separator arrangement for the return of coal to the ball-drum mill.  
Energetik 2 no.10:9-10 0 '54. (MLRA 7:10)  
(Milling machinery)

YANKO-TRINITSKIY, A.A., doktor tekhn.nauk, prof.; ABRAMOVICH, G.P., inzh. (Gomel'); NEDELKU, V., kand.tekhn.nauk, dotsent; KARPOV, G.V.; VERETENNIKOV, L.P., kand.tekhn.nauk, dotsent (Leningrad); VIIESOV, D.V., kand.tekhn.nauk, dotsent (Leningrad); ALYAE'YEV, M.I., doktor tekhn.nauk, prof. (Leningrad)

Equations and fundamental relationships in the theory of synchronous machines. Elektrichestvo no.7:81-85 J1 '62. (MIRA 15:7)

1. Ural'skiy politekhnicheskiy institut imeni Kirova (for Yanko-Trinitskiy).
2. Bukharestskiy politekhnicheskiy institut, Rumyniya (for Nedelku).
3. Institut elektromekhaniki (for Karpov).  
(Electric machinery, Synchronous)

VERETENNIKOV, L P.

AUTHORS:

1) Gorodskiy, D. A., Professor, Doctor of Technical Sciences, Volchkov, I. Ye., Engineer  
2) Ivanov-Smolenskiy, A. V., Docent, Candidate of Technical Sciences  
3) Veretennikov, L. P., Docent, Candidate of Technical Sciences, Barinov, N. G., Docent, Candidate of Technical Sciences, Babushkin, M. N., Candidate of Technical Sciences  
Potapkin, A. I., Engineer  
(Leningrad)

TITLE: Dynamic Models of Power Systems (o dinamicheskikh modelyakh energosistem)

PERIODICAL: Elektrichestvo, 1958, Nr 9, pp 80 - 82 (USSR)

ABSTRACT: Remarks concerning the paper by I.S.Bruk in Elektrichestvo, 1958, Nr 2. 1) According to the paper, the methods of using mathematical and physical models are contrary to each other. It is shown here that this is not correct and that a reasonable coordination of the two methods should rather be aimed at. 2) The author follows the opinion of M.P.Kostenko, V.A.Verikov and N.N.Shchedrin, and points out that for investigating transients in

Card 1/2

Dynamic Models of Power Systems

SOV/105-58-9-19/34

electric power systems one should combine the results gained with dynamic models with those obtained by the use of electronic digital computers. 3) The authors ask for a combined use of dynamic models and computers. They show that even in such fields where digital computers prevail, one cannot do without dynamic models. There are 3 Soviet references.

ASSOCIATION: 1) Nauchno-issledovatel'skiy institut elektrotekhnicheskoy promyshlennosti (Scientific Research Institute of Electrical Industry) 2) Moskovskiy energeticheskiy institut (Moscow Institute for Power Engineering)

Card 2/2

VERETENNIKOV, Leonid Porfir'yevich; POTAPKIN, Aleksandr Ivanovich;  
RAIMOV, Mikhail Mikhaylovich; VENIKOV, V.A., doktor tekhn.  
nauk, prof., laureat Leninskoy premii, retsenzent;  
SHIROKNOV, Ye.I., nauchn. red.; OZEROVA, Z.V., red.

[Modeling, computer techniques, and transient processes  
in electric ship propulsion systems] Modelirovanie, vy-  
chislitel'naya tekhnika i perekhodnye protsessy v sudo-  
vykh elektroenergeticheskikh sistemakh. Leningrad, Su-  
dostroenie, 1964. 383 p. (MIRA 18:1)

16508-65	BOOK EXPLOITATION	UK/	20
AM9010322	629.12.066:681.14		71
Veretennikov, Leonid Porfir'yevich; Potapkin, Aleksandr Ivanovich; Puzimov, Mikhail Mikhailovich			
Modeling, computer engineering, and transfer processes in electric power systems on ships (Modelirovaniye, vychislitel'naya tekhnika i perekhodnyye protsessy v sudovyykh elektroenergeticheskikh sistemakh), Leningrad, Izd-vo "Sudostroyeniye" 1964. 383 p. illus., biblio. 2,300 copies printed.			
TOPIC TAGS: shipbuilding engineering, model, electric equipment, electric power engineering, computer technology, analog computer, digital computer, electrody- namics, differential equation, similarity theory			
PURPOSE AND COVERAGE: The book attempts to systemize experience in the application of computers for the investigation and calcu-			

AM5010322

use various means of modeling and computer engineering for the calculation and investigation of transient processes in the ship's electric power system. The calculations are based on Gores-Park differential equations. The book is intended for electrical engineers of the shipbuilding industry and students specializing in corresponding fields in order to acquaint them with the possibilities and methods of using modeling and computer engineering facilities in the process of designing and investigating electric power systems on ships.

TABLE OF CONTENTS (abridged):

Foreword -- 3

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Ch. I. Equations for electric power systems on ships -- 19

Ch. II. Elements of the theory of similitude -- 68

Ch. III. Electrodynamic model for the ship's electric power system and its use -- 154



61908-69

AM5010322

Ch. VII. Joint use of modeling and computer engineering facilities -- 349  
Supplement -- 369  
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SUB CODE: DP, EE

SUBMITTED: 08Sep64

NO REF SON: 070

OTHER: 005

*dm*  
Card 3/3

VERETENNIKOV, Leonid Porfir'yevich, kand. tekhn. nauk, dotsent;  
RAYMOV, Mikhail Mikhaylovich, kand. tekhn. nauk, starshiy  
nauchniy sotrudnik

Use of an analog computer in studying the stability of a syn-  
chronous generator in the small. Izv. vys. ucheb. zav.;  
elektromekh. 5 no.7:796-809 '62. (MIRA 15:10)

(Electric generators)  
(Electronic analog computers)

85-57-12-10/29

AUTHOR: Veretennikov, M., Master of Sports

TITLE: At the Hungarian National Gliding Competitions (Na natsional'nykh vengerskikh planernykh sorevnovaniyakh)

PERIODICAL: Kryl'ya rodiny, 1957, Nr 12, p 9 (USSR)

ABSTRACT: The author, a participant in the contests, describes the Hungarian National gliding competitions attended by sportsmen from six countries: Hungary, Bulgaria, Poland, Romania, Yugoslavia, and the USSR. He comments on the ease with which the gliders used in the contests can be assembled and transported, and mentions their superior equipment which permits them to fly under any weather conditions. He especially praises the superior Yugoslav two-seater Koshava glider, the Hungarian single-seaters Der-2 and Shiray, and the latest model of the Polish Lastochka glider.

AVAILABLE: Library of Congress

Card 1/1 1. Gliders performance

VERETENNIKO", M., zasluzhennyy master sporta

Long-distance soaring flight. Kryl. rod. 15 no.6:20-22 Je'64.  
(MIRA 17:6)

GLADKOV, N., zasluzhennyy master sporta; RATSENSIKAYA, M., zasluzhennyy  
master sporta; IL'CHENKO, V., zasluzhennyy master sporta;  
VERSTENNIKOV, M., master sporta; OSTROVSKIY, P., master sporta;  
ZUBOVA, V., master sporta; CHERNOV, B., master sporta;  
ZAYTSEV, S., master sporta; PISTOLENKO, V., master sporta;  
POCHERNIN, V., master sporta

Toward new sportive achievements. Kryl.rod. 13 no.4:7 Ap '62.  
(MIRA 15:5)

(Aerial sports)

IL'CHENKO, V., zasluzhenny master sporta; VERETENNIKOV, M., master sporta;  
SAMOSADOVA, A., master sporta; NASONOVA, T., master sporta;  
FILYUSHIN, A., master sporta

Let us take off the roads in the clouds. Kryn. rod. 14, no.5:2  
My '63. (MIRA 16:7)

(Gliding and soaring)

Veretennikov, N.

VERETENNIKOV, M., master sports.

~~At national Hungarian competitions in gliding. Kryn. rod. 8 no.12:~~  
9 D '57. (MIRA 10:12)

(Gliding and soaring)

VERETENNIKOV, N. N.

Organization of mass production of one and two-storied houses. Moskva, Izi-vo  
Ministerstva kommunal'nogo khoziaistva RSFSR, 1951. 92 p. (51-3743)

TH5.V4



ACCESSION NR: AP4042508

S/0182/64/000/007/0016/0018

AUTHOR: Sakharov, G. S., I. P. Tsipulin, S. M. Polyak, and S. V. Varatennikov

TITLE: Some problems in SAP sheet forming

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 7, 1964, 16-18

TOPIC TAGS: SAP, SAP sheet, SAP sheet forming, SAP sheet explosive forming, explosive forming

ABSTRACT: Aluminum clad SAP sheets with thicknesses up to 3 mm have more or less satisfactory formability at room temperature (unclad SAP sheets cannot be formed below 300C). Two methods of applying the aluminum cladding have been developed [conditions not specified], with one of them producing much better formability than the other. In deep drawing tests performed with aluminum clad SAP sheets 1 and 2 mm thick, reductions as high as 80 and 41%, respectively, were obtained. Corresponding figures for flanging tests were 14 and 14%.

Card 1/2

ACCESSION NR: AP4042508

The minimum bending radius for sheets 1--3 mm thick varies from 4 to 3 sheet thicknesses for both longitudinal and transverse specimens. Dish-shaped end closures 345 mm in diameter and 75 mm deep were formed from a blank 440 mm in diameter and 2 mm thick by explosive forming, hydrostatic pressure, or by conventional die forming. No difficulties were encountered in explosive forming. Satisfactory results were also obtained in forming with hydrostatic pressure applied in steps with complete pressure release after each step. Conventional die forming produced unsatisfactory results. Orig. art. has: 3 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 00

ATD PRESS: 3085

ENCL: 00

SUB CODE: MM, IE

NO REF SOV: 001

OTHER: 000

Cord. 2/2

L 14220-66 EWT(1)/EWT(m)/EWP(1)/FCS(k)/FSS-2 RI/RIW/JW/JWD

A/C NR: AP6004424

SOURCE CODE: UR/0414/65/000/003/0003/0009

AUTHOR: Veretennikov, V. A. (Moscow); Dremín, A. N. (Moscow); Shvedov, K. K. (Moscow)

ORG: none

TITLE: Determination of the detonation parameters of condensed explosives

SOURCE: Fizika goreniya i vzryva, no. 3, 1965, 3-9

TOPIC TAGS: condensed explosive, detonation velocity, detonation pressure

ABSTRACT: To determine the effect of the explosive density  $\rho$  and charge diameter  $d$  on the detonation parameters of condensed explosives, the detonation velocity  $D$ , mass velocity  $u_1$ , pressure  $p_1$ , reaction time  $\tau$ , and the width of the reaction zone  $a$  were measured in charges of trinitrotoluene (TNT) with  $\rho = 0.8-1.59 \text{ g/cm}^3$ ,  $d = 22.5-60 \text{ mm}$ , and the charge length-diameter ratio  $h/d = 2.25-9.75$ . In TNT charges with  $\rho = 1.59 \text{ g/cm}^3$  and  $d = 60 \text{ mm}$ , an  $h/d$  ratio above 2.25 has no effect on the detonation parameters. A comparison of pressure and reaction time data obtained for TNT charges by different methods showed that while for TNT charges with  $d = 100 \text{ mm}$  and  $\rho = 0.8 \text{ g/cm}^3$ , the reaction time measured by the electromagnetic method was  $0.68 \text{ } \mu\text{sec}$  at  $p_1 = 41,700 \text{ atm}$ , for charges of the same density and  $d = 200 \text{ mm}$ ,  $\tau$  was  $0.23 \text{ } \mu\text{sec}$  at  $p_1 = 51,900 \text{ atm}$ , when measured by the propelled plate method. This considerable decrease in the reaction time cannot be attributed to the pressure increase. Therefore, it is suggested that the decrease in the reaction time measured by the propelled method

Card 1/2

UDC: 534.222.2

L 14220-66

ACC NR: AP6004424

plate method is due to the effect of a reflected shock wave on the explosive-metal plate interface, and this must be taken into account. The reaction time decreased as the pressure in the reaction zone increased. The effect of the reflected wave decreased as the initial densities of the explosives increased. In this case, similar results are obtained by both methods. The use of thin metal plates also decreases the effect of the reflected shock wave on the pressure in the reaction zone, and, consequently, on the reaction time. The mass velocity profile for the detonation wave of condensed explosives has a clearly defined peak, which was predicted by the hydrodynamic theory (Ya. B. Zel'dovich, ZhETF, 1940, 10, 542). It can be identified with the chemical reaction zone. Analysis of the curves of the relationship  $a = a(1/d)$  showed that even when  $d = \infty$ ,  $a$  and  $r$  are finite. Orig. art. has: 4 tables and 6 figures. [PS]

SUB CODE: 19/ SUBM DATE: 15Jan65/ ORIG REF: 009/ CTH REF: 002/ ATD PRESS: 4195

TS  
Card 2/2

PARFENOV, A.P., inzh.; NIFANT'YEV, A.D., inzh.; VERETENNIKOV, V.A., inzh.

Using pipe-laying machinery in assembling mine hoisting  
equipment. Shakht. stroi. 8 no.9:25 S '64. (MIRA 17:12)

1. Korkinskoye stroitel'no-montazhnoye upravleniye tresta  
Soyuzshakhtospetsmontazh (for Parfenov). 2. Shakhta No.47  
tresta Kopeyskugol' (for Nifant'yev, Veretennikov).

VERETENNIKOV, V., kand.tekhn.nauk, starshiy nauchnyy sotrudnik;  
SELIVERSTOV, V., kand.tekhn.nauk, starshiy nauchnyy sotrudnik;  
PEKISHEV, Yu.

Automatic control of the firing equipment of marine fire-  
tube boilers. Mor.flot 19 no.12:16-18 D '59. (MIRA 13:3)

1. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo  
flota (for Veretennikov). 2. Leningradskiy institut vodnogo  
transporta (for Seliverstov). 3. Nachal'nik Tekhnicheskogo  
otdela Upravleniya Murmanskogo tralovogo flota (for Pekish-  
ev).

(Boilers, Marine--Firing) (Automatic control)

VERETENNIKOV, V.

~~Material self-interest~~ and reducing the waste. Sots. trud 8 no.6:47--  
49 Jo '63. (MIRA 16:9)

(Tambov--Wages--Machinery industry workers)  
(Lonus system)

(Tambov--Machinery industry--Management)

VERETENNIKOV, V.

"Firebox arrangements in marine steam boilers" by N.Kuznetsov,  
M.Lebedev. Reviewed by V.Veretennikov. Mor.flot 21 no.5:45 My  
'68. (MIRA 14:5)

1. Zaveduyushchiy topochnoy laboratoriyey Tsentral'nogo kotloturbinnogo  
instituta. (Boilers, Marine) (Kuznetsov, N.) (Lebedev, M.)



DREMIN, A.N.; SHVEDOV, K.K.; VERETENNIKOV, V.A.

Study of the detonation of PzhV-20 ammonite and some other  
explosives. Vzryv. delo no.52/9:10-25 '63. (MIRA 17:12)

MINGALEV, Yu.A.; VERETENNIKOV, V.F.; KORLYAKOV, P.A.; KOLDOMOV, A.S.

The PL-1 conveyor-loader. *Biul.tekh.-ekon.inform.Gos.nauch.-issl.*  
*inst.nauch.i tekhn.inform.* no.9:13-14 '63. (MIRA 16:10)

VERETENNIKOV, V.Ia.

Development and adaption of reducing gears at the Izhevsk Plant.  
Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn.  
inform. 18 no.2:58-59 F '65. (MIRA 18:5)

VERETENNIKOV Ye., kand.tekhn.nauk, izobretatel'

Automation of assembly processes with magnets. Izobr. 1 rats.  
no.1:2 of cover and 10-11 Ja '62. (MIRA 14:12)  
(Machine-shop practice)  
(Magnets)

VERETENNIKOV, Ye.A.; SHAGINYAN, A.S.

Universal hydraulic machine of the MUGP 1 2.5 type. Zav. lab.  
31 no.1:133-135 '65. (MIRA 18:3)

1. Armavirskoye spetsial'noye konstruktorskoye byuro ispyta-  
tel'nykh mashin.

L-12786-63

BDS

S/O 17/63/000/006/0008/0010

ACCESSION NR: AP3002598

AUTHOR: Veretennikov, Ye. A. (Candidate of technical sciences)

48

TITLE: Assembling machine parts in a magnetic field

SOURCE: Mashinostroitel', no. 6, 1963, 6-10

TOPIC TAGS: automation, assembling, part magnetization, demagnetization, basic contact form

ABSTRACT: Various methods for the utilization of magnetic fields in automation of assembly practices are reviewed by the author. The use of magnetized parts for assembling was tested at Kuybyshevskiy politekhnicheskiy institut (Kuybyshev Polytechnic Institute). The new procedures replaced such operations as the use of bands, clamps, temporary soldering, welding, gluing, the use of heavy greases and special fixtures, all of which complicated the process of assembling. Magnetizing parts facilitated the automation of feeding, holding, moving, orientating, and cutting off. Assembling bearings, car engine valves, starter stators, and cutter bits is cited as an example of the new technique. Demagnetization of assembled moving parts must be attended to, but is not necessary for stationary parts. The form of contact between a part and its seat is an important factor in aligning the magnetized detail in its proper position. Figure 1 (see enclosure) shows the

L 12786-63

ACCESSION NR: AP3002598

classification of basic contact forms. The author concludes that the force between a magnetized part and its seat increases with the ratio of the length of the part to its transverse section. Orig. art. has: 11 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 12Jul 63

ENCL: 02

SUB CODE: 00

NO REF SCV: 001

OTHER: 000

Card

2/42

VERETENNIKOV, Ye.A., kand. tekhn. nauk

Assembly of parts in a magnetic field. Mashinostroitel'  
no.6:8-10 Ja '63. (MIRA 16:7)

(Machine-shop practice)



ANISIMOV, B.V., doktor tekhn. nauk, prof. (Moskva); KURGANOV, V.D.,  
kand. tekhn. nauk (Moskva); KHOMYAKOV, K.S., inzh. (Moskva);  
VERETENNIKOV, Yu.N., inzh. (Moskva); NIKITAY, A.A., inzh. (Moskva)

Digital display device using a typetron. Elektrichestvo no.8:  
52-56 Ag '63. (MIRA 16:10)

KONETSKIY, N.V.; VERETENNIKOVA, A.V.

Operating a high-temperature tunnel kiln on natural gas.  
Ogneupory 26 no.9:404-408 '61. (MIRA 14:9)

1. Semilukskiy ogneupornyiy zavod.  
(Gas, Natural) (Gas as fuel) (Kilns)

PETROV, A.A.; VERETENNIKOVA, I.V.

Reagents-demulsifiers for preparing petrolseums for yield of  
Kashpir shale tar. Trudy Giprovoostoknefti no.4:137-166 '61.  
(MIRA 16:8)  
(Sodium sulfates)

FINKEL'SHTEYN, T.A.; NIKOLAYEVA, N.S.; KONOVALOVA, Ye.M.; KONKIN, A.A.  
VERETENNIKOVA, T.P.

Cellulose grindin: on a vibratory mill. Tekst. prom. 18 no.2:16-19  
P '58. (MIRA 13:3)

(Cellulose)

NIKOLAYEVA, N.S.; MOGILEVSKIY, Ye.M.; VERETINNIKOVA, T.P.; LIE'KOVA, Z.K.

Spinning solutions of cellulose in quaternary ammonium bases.  
Khim.volok. no.4:26-29 '59. (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo  
volokna. (Rayon) (Ammonium compounds)

L 46145-66	EWT(m)/EWP(j)/T	IJP(c)	WW/RM
ACC NR: AP6026738 (A)	SOURCE CODE: UR/0183/66/000/003/0042/0043		
AUTHOR: <u>Serkov, A. T.</u> ; <u>Budnitskiy, G. A.</u> ; <u>Chivilikhina, M. P.</u> ; <u>Veretennikova, T. P.</u> ; <u>Shishkina, N. P.</u> ; <u>Kondrashova, I. A.</u> ; <u>Muravleva, L. V.</u> ; <u>Ordina, V. L.</u>			
ORG: <u>VNIIV</u>	34 B		
TITLE: Improving the quality of <u>viscose</u> cord			
SOURCE: Khimicheskiye volokna, no. 3, 1966, 42-43			
TOPIC TAGS: cellulose, synthetic material, cellulose plastic, synthetic fiber			
ABSTRACT: The details of a modified procedure for manufacturing high tensile strength viscose cords are described. In essence, the procedure consists of accelerated processes of coagulation, filtration, and cord forming. It also requires the use of high purity reagents: sulfuric acid (GOST 2184-59), and ethylene oxide- and aliphatic amine derivatives as modifiers. The modified procedure does not require any new machines, only a minor adjustment of the cord spinning procedure. It is claimed that the modified procedure is capable of yielding viscose cords with tensile strength by 50-60% greater than that manufactured elsewhere in the world. Orig. art. has: 2 figures.			
SUB CODE: 66	SUBM DATE: 28Feb66/	ORIG REF: 004	
Card 1/1	UDC: 677.463		

ASHIKHMIN, D.A., inzh.; VERETENNIKOV, V.F., inzh.; GLAZYRIN, I.A., inzh.;  
D'YAKOV, A.G., inzh.; MINCALEV, Yu.A., inzh.

Scraper conveyor with a bottom carrying arm for hauling hard,  
large-size ore. Gor.zhur. no.10:54-55 O '64.

(MIRA 18:1)

1. Nauchno-issledovatel'skiy i proyektno-konstrukterskiy institut  
gornogo i obogatitel'nogo mashinostroyeniya, Sverdlovsk.

VEREMNIKOVA, V.P. (Moskva)

Tracheopathia osteoplastica. Klin.med. 35 no.4:77-82 Ap '57.

(MLRA 10:7)

1. Iz pervoy kafedry rentgenologii i radiologii (zav. - zaslushennyy deyatel' nauki prof. S.A.Reynberg) Tsentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P.Lebedeva) na baze ordena Lenina bol'nitsy imeni S.P.Botkina (glavnyy vrach - prof. A.N. Shabanov)

(TRACHEA, neoplasms

osteoplastic tracheopathy, clin. aspects & pathol.)



GEL'SHTEYN, V.E.; VERETENIKOVA, V.P.

Study of the lesser circulation in pulmonary tuberculosis by  
the electrokymographic method. Probl. tuberc. 41 no.4:25-31  
'63. (MIRA 17:2)

1. Iz rentgenologicheskogo otdeleniya bol'nitsy imeni S.P.  
Botkina (glavnyy vrach Yu.G. Antonov) i kafedry rentgenologii  
i radiologii No.1 (zav. - zasluzhennyy doktorel' nauki prof.  
S.A. Reynberg) Tsentral'nogo instituta usovershenstvovaniya  
vrachev, Moskva.

VERETENNIKOVA, V.P.  
TIKHONOVICH, G.S., kandidat meditsinskikh nauk; VERETENNIKOVA, V.P.  
(Moskva)

A case of periarteritis nodosa with affection of the lungs diagnosed during life. Klin.med. 35 no.6:108-112 Je '57. (MLRA 10:8)

1. Iz pervoy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. M.S.Vovsi) i iz pervoy kafedry rentgenologii Tsentral'nogo instituta usovershenstvovaniya vrachey (sav. - sasluzhennyy deyatel' nauki prof. S.A.Reynberg) na baze Klinicheskoy ordena Lenina bol'nitsy imeni S.P.Botkina (glavnyy vrach - prof. A.N.Shabanov)

(PERIARTERITIS NODOSA, diag.  
pulm., diagnosed during life)

(LUNGS DISEASES, diag.  
periarteritis nodosa, diag. during life)

VERETENNIKOV, V. V.

"Investigation of the Operation of Ship Furnaces with a  
Rabbling Plant." Cand Tech Sci, Leningrad Inst of Water Transport  
Engineers, Min of River Fleet USSR, Leningrad, 1955. (KL, No 9,  
Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical  
Dissertations Defended at USSR Higher Educational Institutions  
(14)

VERETENNIKOV, V.V.

Foreign experience in the mechanization of coal combustion in  
marine and small boiler installations. Rech.transp. 15 no.8:  
30-32 Ag '56. (MLRA 9:11)  
(Stokers, Mechanical) (Boilers, Marine)

VERETENNIKOV, V.V., kandidat tekhnicheskikh nauk.

Aspects of the operation of a stationary stoker with a chain-driven shuttle bar. Teploenergetika 3 no. 10:14-23 0 '56.  
(MLRA 9:11)

1. Tsentral'nyy institut rechnogo flota.  
(Stokers, Mechanical) (Combustion)

AID P - 5100

Subject : USSR/Engineering  
Card 1/2 Pub. 110-a - 3/18  
Author : ~~Veretennikov, V. V.~~, Kand. Tech. Sci.  
Title : Peculiarities of the combustion process in stockers  
with a moving stirring bar.  
Periodical : Teploenergetika, 10, 14-23, C 1956  
Abstract : The author presents an analysis of the results of  
testing stokers with a stirring bar. He recommends  
the selection of an efficient arrangement of the bar.  
The stability of the combustion process is discussed.  
The means for a better ignition of the fuel and a  
greater activity of the combustion process are  
discussed. Table, 13 diagrams. 5 references.

AID P - 5100

Teploenergetika, 10, 14-23, 0 1956

Card 2/2 Pub. 110-a - 3/18

Institution : Central Institute of River Fleet.

Submitted : No date

The production of cellulose acetate. IV. Method of evaluation of the homogeneity of cellulose acetate from the content of hemiacellulose acetate. A. A. Rogovin and G. Veretennikova (Eng. Chem. Ind. (U.S.S.R.) 3:10 (1966), 1100; C. A. 32: 289). To 3.5 g. of dry bleached cellulose acetate (II) with 30 points by method of  $\text{AcOH}$  ( $\approx 0.5\%$ ) at  $20^\circ\text{C}$  for 4 hr., after being through a sinter funnel, wash the residue 2 times with hot water, then with 10%  $\text{Na}_2\text{CO}_3$  and again 2 times with hot water, dry the residue, weigh and distill. The difference in wt. The transparency of II increases with lower contents, the amt. of which depends on the uniformity of acetylation and aging and is independent of the viscosity of the solution.

ASAC-36 METALLURGICAL LITERATURE CLASSIFICATION



1. VERETENNIKOVA, S./.
2. USSR (600)
4. Science
7. A nature corner in the kindergarten. Spravochnoe posobie dlia vospitatelei.  
Moskva, Uchpedgiz, 1952

9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

22

*Ca*  
The production of cellulose acetate. V. M. Sverdlin and T. P. Vsevolodskaya. *Eng. Chem. Ind. (U. S. S. R.)* 4, 308 (1967); cf. *C. A.* 31, 7042<sup>1</sup>, 32, 1925<sup>1</sup>.—To prevent the excessive destruction of cellulose acetate by the exothermic reactions of esterification and catalytic hydrolysis ( $H_2SO_4$ ) the linters were acetylated in small batches with a specially prepd. mixt. By using charges of 30 kg. linters in the Werner app. and 55 kg. parts of  $AcOH$  and 3 parts of  $Ac_2O$  with 15% of  $H_2SO_4$  (on the wt. of linters) was cooled to 5° and linters were gradually introduced to ensure a steady rise to a max. of 35°. When the homogeneous phase was obtained, the reaction mixt. was sapond. and aged at 35°. By this method the time required for acetylation was reduced from 10 to 6 hrs. and the total productivity of the app. was increased about 30%. Cellulose acetate of normal viscosity, but not of quite satisfactory transparency and color, was obtained. The investigation is being continued.

VI. Acetylation of cellulose in dichloroethane medium. Z. A. Rogovin and M. S. Sverdlin. *Ibid.* 421-5.—Expts. in the development of the previous procedure for the acetylation of linters by substituting 70-85%  $AcOH$  by dichloroethane (I) (cf. *C. A.* 31, 7042<sup>1</sup>) are discussed. A mixt. of 2.5 kg.  $Ac_2O$ , 1.2-1.4 kg.  $AcOH$  and 2.7-3 kg.

I with the soln. of 1.5-2%  $H_2SO_4$  per 1 kg. linters was used. After acetylation at 50-55°, the reaction mixt. was heated, with stirring, in a water-jacketed pptg. vessel at 40-50° for 3-4 hrs. The uppn. of cellulose acetate to a 55-60%  $Ac$  value was completed during the following removal of the I from the mixt. To prevent an excessive destruction of cellulose acetate by  $H_2SO_4$ , this was first neutralized with equiv.  $Na_2CO_3$  and the I was steam-distilled at 110-120° for 2-3 hrs. The cellulose acetate was then pptd. and washed with water as usual. I in the distillate is recovered and used again. By this method the danger of gelation of primary cellulose acetate soln. is obviated and the aging period is reduced from 20 to 5-6 hrs. A product was obtained in every way comparable with that obtained by the usual process. The problems involved in the use of type I in the com. production are being investigated. VII. Causes of the spontaneous gelatinization of secondary cellulose acetate solutions. Z. A. Rogovin and M. Ioffe. *Ibid.* 425-9.—It is shown that in contrast to the primary cellulose acetate solns (cf. *C. A.* 31, 7042<sup>1</sup>), the gelation of secondary cellulose acetate solns is chiefly caused by the hydrolytic action of the solns, is inhibited by the addition of  $H_2SO_4$ . The rate of gelation is rapidly increased by increasing addns. of  $H_2SO_4$ . The action of  $H_2SO_4$  is not specific, since  $HCl$  and  $HClO_4$  produced even more rapid gelation. Other factors of irreversible gelation

~~VERETENNIKOVA, V. I. (Kuybyshev)~~

Developing the topic "Limits" in grade 9 by lessons. Mat. v  
shkole no. 4:18-27 J1-Ag '58. (MIRA 11:7)  
(Calculus--Study and teaching)

VERETENNIKOVA, V. P., Cand Med Sci (diss) -- "Changes in the vessels of the system of the pulmonary artery in lung cancer (X-ray-anatomical comparisons)". Moscow, 1959. 13 pp (Min Health USSR, Central Inst for the Advanced Training of Physicians), 200 copies (KL, No 11, 1960, 137)

VERETENNIKOVA, V.P.; TERENT'YEVA, N.I. (Moskva)

Disseminated form of candidamycosis of the lungs. Klin.med.  
no.4:138-141 '62.

(MIRA 15:5)

1. Iz pervoy kafedry rentgenologii i radiologii (zav. - zasluzhennyy  
deyatel' nauki prof. S.A. Reynberg) Tsentral'nogo instituta usover-  
shenstvovaniya vrachey i rentgenologicheskogo otdeleniya Bol'nitsy  
imeni S.P. Botkina (glavnyy vrach Yu.G. Antonov).  
(MONILIASIS) (LUNGS—DISPASES)

VERETENNIKOVA, V.P.

X-ray anatomical study of the pulmonary artery system in lung cancer.  
Nauch. rab. asp. i klin. ord. no.6:274-278 '60. (MIRA 14:12)

1. I kafedra rentgenologii (zav. nasluzhenyy deyatel' nauki prof.  
S.A.Reynberg) Tsentral'nogo instituta usovershenstvovaniya vrachey.  
(LUNGS--CANCER) (PULMONARY ARTERY)  
(ANGIOGRAPHY)

USSR / General Problems of Pathology. Tumors. Comparative U  
tive Oncology. Tumors of Man.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102594.

Author : Veretennikova, V. P.

Inst : Not given.

Title : On Bone Tumor of the Trachea.

Orig Pub: Klinich. meditsina, 1957, 35, No 4, 77-82.

Abstract: In a patient (47 years old) who died after stomach resection, bone tumor of the trachea was discovered on autopsy. It is noted that bone tumors of trachea are rare (no more than 100 cases are described). In this disease, under the mucosa of the upper respiratory tract and between the cartilaginous rings of the trachea and main bronchi multiple, osseous nodules develop heterotopically. Along with this, ossification of the cartilages of the

Card 1/2

USSR / General Problems of Pathology. Tumors. Comparative Oncology. Tumors of Man. U

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102594.

Abstract: trachea and bronchi themselves takes place. Intra-vitam diagnosis is rarely made. The most frequent symptom is hemoptysis; more rarely bronchostenosis and disorder of respiration. The only method of disease discovery is bronchoscopy, during which stenosis of the lower respiratory paths are discovered from the protrusion of nodules into the lumen of bronchi and trachea, covered by the inflamed mucosa. In higher distribution of the nodules, laryngoscopy is sufficient. The course of the disease is slow. -- N. N. Nechayev.

Card 2/2

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~~VERETENNIKOVA, V.P. (Moskva)~~

Angiographic data in primary lung cancer. Klin.med. 37  
no.4:89-94 Ap '59. (MIRA 12:6)

1. Iz pervoy kafedry rentgenologii i radiologii (zav. -  
zasluzhennyy deyatel' nauki prof.S.A.Reynberg) Tsentral'-  
nogo instituta usovershenstvovaniya vrachey (dir. V.P.  
Lebedeva).

(LUNG NEOPLASMS, diag.  
angiography in primary cancer (Rus))  
(ANGIOGRAPHY, in various dis.  
cancer of lung, primary (Rus))

VERETENNIKOVA, V.P.

Symptom of laceration of a vessel in from of a stump in bronchial cancer; X-ray anatomical comparisons. Sov.med. 22 no.7:42-44 (MIRA 11:10)  
Jl '58

1. Iz pervoy kafedry rentgenologii i radiologii (zav. -zaslyzhennyy deyatel' nauki prof. S.A. Reynberg) Tsentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva) na baze Moskovskoy gorodskoy ordena Lenina klinicheskoy bol'nitsy imeni S.P. Botkina (glavnyy vrach - prof. A.N. Shabanov):

(BRONCHI, neoplasms

blood vessel pathol., x-ray-anat. comparisons (Rus))

VERETENOV, N. K.

Minimum technical requirements for the paper boiler (Paper and pulp industry) 2 ispr.i  
dep. izd. Moskva, Gos. nauchno-tekhn. i ud-vo tselluloznoi i bumazhnoi promyshl., 1948  
58 p. (51-19406)

TS1109.V4 1948

VERE TENNIKOV, Yu.I.

NAME: I. I. TENNIKOV 09/30/22  
Mechanization of machine tool construction  
Sverdlovsk oblashty

Abstract: This book is intended for production engineers and specialists in mechanical engineering. It contains a detailed description of the design and construction of machine tools, including the principles of operation and the methods of calculation. The book is written in a clear and concise style, making it accessible to a wide range of readers. It is a valuable reference work for anyone involved in the design and construction of machine tools.

Author: Yu. I. Tenikov, Doctor of Technical Sciences, Candidate of Technical Sciences, Senior Researcher, Sverdlovsk State University. The book is written in a clear and concise style, making it accessible to a wide range of readers. It is a valuable reference work for anyone involved in the design and construction of machine tools.

Editor: A. B. Ponomarev, Candidate of Technical Sciences, Senior Researcher, Sverdlovsk State University. The book is written in a clear and concise style, making it accessible to a wide range of readers. It is a valuable reference work for anyone involved in the design and construction of machine tools.

Translator: A. B. Ponomarev, Candidate of Technical Sciences, Senior Researcher, Sverdlovsk State University. The book is written in a clear and concise style, making it accessible to a wide range of readers. It is a valuable reference work for anyone involved in the design and construction of machine tools.

Reviewer: A. B. Ponomarev, Candidate of Technical Sciences, Senior Researcher, Sverdlovsk State University. The book is written in a clear and concise style, making it accessible to a wide range of readers. It is a valuable reference work for anyone involved in the design and construction of machine tools.

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Editorial Board: A. B. Ponomarev, Candidate of Technical Sciences, Senior Researcher, Sverdlovsk State University. The book is written in a clear and concise style, making it accessible to a wide range of readers. It is a valuable reference work for anyone involved in the design and construction of machine tools.

STEPANOV, F.N.; VERETENOVA, T.N.

Vinyl esters of terephthalic acid. Part 2. Zhur. org. khim.  
1 no.8:1396-1399 Ag '65. (MIRA 18:11)

1. Shostkinskiy filial Nauchno-issledovatel'skogo kinofotoinstituta  
(NIKFI).

VILENSKIY, Yu.B.; VERETINNOVA, T.N.; LEVI, S.M.; GUSAR', N.I.;  
DUSHEYKO, D.A.

Investigating the hardening properties of  $\alpha, \beta$ -dichloro- and  
 $\alpha, \beta$ -dibromoformylacrylic acids. Zhur.nauch.i prikl.fot. i kin.  
6 no.5:334-337 S-O '61. (MIRA 14:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut  
(NIKFI).

(Photographic emulsions)

S/079/63/033/001/007/023  
D204/D307

AUTHORS: Veretenova, T. N. and Stepanov, F. N.

TITLE: Synthesis of the vinyl esters of terephthalic acid

PERIODICAL: Zhurnal obshchey khimii, v. 33, no. 1, 1963, 91-94

TEXT: Esters  $H_2C=CHOC-C_6H_4-COOR$  (where  $R=CH=CH_2-$ ,  $CH_3-$ ,  $C_2H_5-$ ,  $n-C_4H_9-$ ,  $B-ClC_2H_4-$ ,  $n-C_8H_{17}$ , and  $C_6H_5$ ) were obtained by treating a suspension of mercury-bis-acetaldehyde in dichloroethane/anh.pyridine (mixture A) with a solution of  $ClOC-C_6H_4-COOR$  in dichloroethane (dropwise), stirring for one hour, filtering, washing the filtrate with water, 1% HCl, aq.  $NaHCO_3$  and water, and drying over  $CaCl_2$ . The solutions were then freed from dichloroethane by evaporation and were distilled under vacuum. 49 - 63% yields were achieved. The divinyl ester was prepared by treating A with  $ClOC-C_6H_4-COCl$ . The esters polymerized in the presence of benzoyl

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S/079/63/033/001/007/023  
D204/D307

Synthesis of the vinyl ...

peroxide or diazoaminobenzene, without a solvent, to give transparent polymers ranging from the hard polymethylvinyl terephthalate to rubbery polyoctylvinyl terephthalate. The divinyl ester gave rise to a 3-dimensional polymer insoluble in organic solvents. There are 2 tables.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut i Kiyevskiy politekhnicheskiy institut (All-Union Scientific Research Motion Picture Institute and Kiev Polytechnic Institute)

SUBMITTED: January 2, 1962

Card 2/2



VERETENOVA, T. N.; STEPANOV, F. N.

Synthesis of vinyl esters of terephthalic acid. Zhur. ob. khim. 33  
no.1:91-94 '63. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut i  
Kiyevskiy politekhnicheskii institut.

(Vinyl alcohol) (Terephthalic acid)

S/081/62/000/019/035/053  
B101/B180

AUTHORS: Veretenov, T. M., Elin, A. I.  
TITLE: Synthesis and polycondensation of new esters of terephthalic acid

PERIODICAL: Referativnyi zhurnal. Khimiya, no. 9, 1962, 512, abstract 1969 (Tr. Vses. n.-i. kinofotoizn-ta, no. 43, 1961, 80 - 86)

TEXT: Terephthalic esters of the general formula:  $XCH_2CH_2COOCC_6H_4COOCH_2CH_2X'$  (where  $X = Cl, Br, I, CN, OH, CHO_2, OCH_3, OC_2H_5$ , and  $X' = Cl, Br, I, F, CH_3, CN, OH, CHO_2, OCH_3, OC_2H_5$ ) and  $H_3COOCC_6H_4COOCH_2CH_2X$  (where  $X = Cl, Br, I, F$ ) were synthesized to study the possibilities of the polycondensation of various  $\beta, \beta'$ -disubstituted diethyl terephthalates. The polycondensation of the terephthalic esters was conducted in the presence of  $ZnCl_2, Zn(CH_3COO)_2, Sb_2O_3$ , and  $Li_2CO_3$ . Polymers of methyl- $\beta$ -chloroethyl terephthalate, of  $\beta, \beta'$ -dichloro-diethyl terephthalate, and of  $\beta, \beta'$ -dibromo-diethyl terephthalate were obtained. The esters synthesized, the

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Synthesis and polycondensation of new ... 3/081/62/000/019/035/053  
B101, B180

catalysts used, and the characteristics of the resulting polymers are  
listed. [Abstracter's note: Complete translation.]

✓

Card 2/2

LEVI, S.M.; VILENSKIY, Yu.B.; KOCHNEVA, S.N.; POPOVA, O.V.; VERETENOVA, T.N.

Diffusion method of hardening emulsion layers. Zhur.nauch.i prikl.  
fot. i kin. 7 no.3:161-168 My-Je '62. (MIRA 15:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (NIKFI) i  
filial Vsesoyuznogo nauchno-issledovatel'skogo kinofotoinstituta,  
Shostka.

(Photographic emulsions)

VILENSKIY, Yu.B.; VERETENOVA, T.N.; BUDARINA, N.N.; PATRIKEYEVA, L.F.

Hardening of photographic materials. Zhur.nauch.i prikl.fot. i kin.  
5 no.6:401-402 N-D '60. (MIRA 14:1)

1. Filial Nauchno-issledovatel'skogo kinofoto instituta, Shostka.  
(Photographic emulsions)

VERETENOVA, T.N.; BALIN, A.I.

~~NEW METHOD OF PREPARING MERCURY-BIS-ACETALDEHYDE~~ Zhur.ob.khim.  
New method of preparing mercury-bis-acetaldehyde. (MIRA 16:7)  
33 no.6:2079 Je '63.  
(Acetaldehyde) (Mercury compounds)

L 1899-66 EWT(m)/EPP(c)/EPP(j)/T. RM

UR/0286/65/000/013/0016/0016  
547.584.07

ACCESSION NR: AP5021550

AUTHOR: Veretenova, T. N.; Balin, A. I.

TITLE: Preparative method for alkyl or aryl vinyl terephthalates. Class 12,  
No. 172305

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 16.

TOPIC TAGS: monomer, alkyl vinyl terephthalate, aryl vinyl terephthalate

ABSTRACT: An Author Certificate has been issued for a preparative method for alkyl or aryl vinyl terephthalates involving the reaction of terephthaloyl chloride alkyl or aryl half ester with vinylating compounds. To widen the range of monomers suitable for preparing polymers having different physicochemical properties, the vinylating compound used is chloromercuriacetaldehyde or mercuribisacetaldehyde [sic]. [SM]

ASSOCIATION: none

SUBMITTED: 01Dec61

NO REF SOV: 000

Cord 1/1 *mlb*

ENCL: 00

OTHER: 000

SUB CODE: MT, OC

ATD PRESS: 4088

SHLYAPINTOKH, V.Ya.; POSTNIKOV, L.M.; KARPUNHIN, O.N.; VERETIL'NIY, A.Ya.

Chemiluminescence during alternating current electrolysis. Zhur.fiz.  
khim. 37 no.10:2374-2375 O '63. (MIRA 17:2)



USSR/Farm Animals. Small Horned Stock.

Abstr Jour: Ref Zhur-Biol., No 20, 1958, 92593.

Author : Grekhov, F.A., Veretin, I.G.

Inst :

Title : The Ostrogozhsk Sheep Breed.

Orig Pub: Ovtsevodstvo, 1958, No 2, 7-10.

Abstract: The Ostrogozhsk sheep breed was obtained through the cross-breeding of Mikhnovsk sheep with Romney Marsh rams. Animals of this breed have the height of 73 cm in rams, 65 cm in ewes, measured at the withers. The average wool at a shearing is respectively 6 - 6.9 and 3.9 kg. The live weight of the lambs for removal was at 50% of the weight of the mature ewes, the twist in the heavy wool was

Card : 1/2

63

L 05819-67 EWT(1)/EWT(m) DD

ACC NR: AP6032137 /N) SOURCE CODE: UR/0391/66/000/009/0041/0044

AUTHOR: Veretinskaya, A. G. (Moscow); Tolgskaya, M. S. (Moscow); Pavlova, I. V. (Moscow) 35

ORG: Institute of Labor Hygiene and Occupational Diseases, AMN SSSR (Institut B  
gigiyeny truda i profzabolevaniy AMN SSSR)

TITLE: Effects of UHF radiation <sup>2</sup> on the nucleic acid <sup>1</sup> content in the lungs of rats with experimental silicosis

SOURCE: Gigiyena truda i professional'nyye zabolevaniya, no. 9, 1966, 41-44

TOPIC TAGS: UHF, medical experiment, nucleic acid, silicosis/UVCh-1 radiation  
device 10 25

ABSTRACT: Biochemical and histochemical changes occurring in the lungs during UHF field radiation were investigated. A UVCh-4 device operating continuously at 40 Mc was used. The effects of the UHF field on the development of silicosis and on the nuclei-acid content in lungs of rats examined were studied, and calculated in milligram-percentages of phosphorus per dry weight of the lung. The appearance of new cell formations during silicosis was determined experimentally. UHF radiation

Card 1/2 UDC: 616.24-003.662-092, 9-085.846-07:616.24-008.939.633.2-074

L 05819-67

ACC NR: AP6032137

was found to retard development of silicosis. Experiments showed that the macrophagic functions of histocytes increased, their fibroblastic functions decreased after UHF radiation, and as a result, the collagen synthesis was retarded. Quartz discharge from the organism is considered to increase under the effect of UHF radiation, which shows the favorable effect of the latter on the course of the silicosis process. Orig. art. has: 5 figures.

SUB CODE: 06, 07/ SUBM DATE: 02Dec65/ ORIG REF: 003/

Card 2/2 *egh*

CHICHKAN', A.V., inzh.; VERETNIK, L.D., kand. tekhn. nauk

Automatic argon-arc welding of aluminum pistons of the L-70  
diesel engine. Svar. proizv. no.2:31-32 F '65. (HIRA 18:3)

1. Teplovzostroitel'nyy zavod im. Kalysheva.